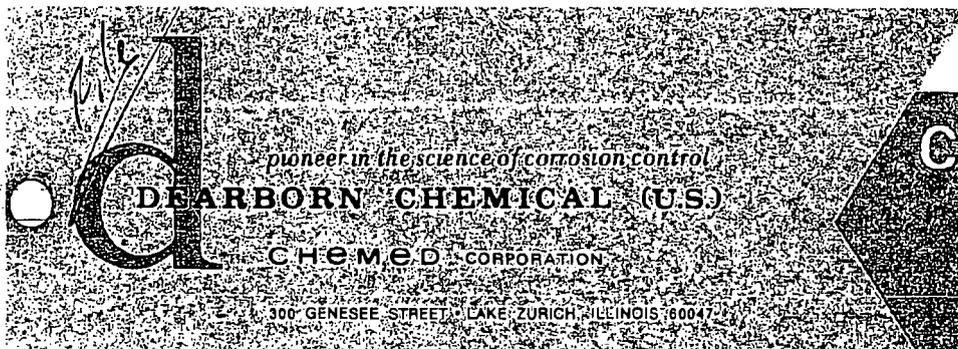


12.3.138 v.5  
11-9-81



WATER TREATMENT

# CONSULTING SERVICE REPORT

COMPANY: Longview Fibre Co  
ADDRESS: Seattle, Wa

DATE: 11-9-81  
ATTN: MR. Norm Buchholz  
COPY TO: GARY Smith, John Christensen  
Dick Priest

### RESULTS OF TESTS CONDUCTED

TEST DESCRIPTION	P	M	OH	SO <sub>3</sub>	IV TDS umhos	TOT H	pH	TDS umhos				
AVERAGE CONTROL LIMITS	—	—	500	30	1500	0						
SAMPLE												
Boiler	630	660	600	10	1800							
Condensate							8.6	15				
Feedwater						0						

### B-266 B-157 Elements CHEMICAL USAGE

PRODUCT	BE	BA	RA						
CURRENT DAILY USAGE	3 Scoops	8 Qts	3 Qts						
ADJUSTED DAILY USAGE	4 Scoops	—	—						

#### BOILERS

STEAM PRODUCTION			
% BLOWDOWN			
FEEDWATER DEMAND			
% CONDENSATE RETURN			
SLUDGE COND. CONC.			

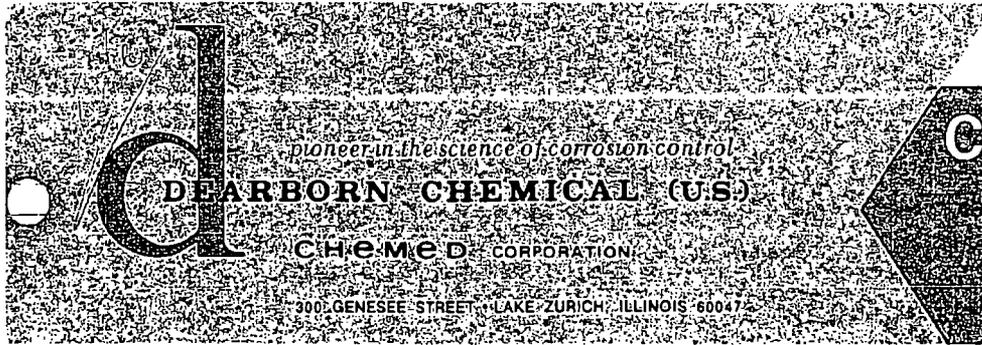
#### COOLING TOWERS

RECIRCULATION RATE			
Δ T			
EVAPORATION RATE			
CYCLES OF CONC.			
BLEED RATE			
MAKEUP RATE			

PRODUCT	INVENTORY PREVIOUS VISIT	INVENTORY RECEIVED	PRESENT INVENTORY	AMOUNT USED
B-266			300 #	
BA				
B-212			3/4-30gal	

DISTRICT MANAGER COMMENTS:

*Bob Dindon*  
DEARBORN SERVICE ENGINEER



# CONSULTING SERVICE REPORT

COMPANY: Longview Lumber Co  
 ADDRESS: Seattle, WA

DATE: 11-9-81  
 ATTN: MR. Norm Buehholz  
 COPY TO: Gray, John, Dick

COMMENTS ON EXISTING SYSTEM CONDITIONS:

Boiler is operating in good chemical balance and good blowdown efficiency

Condensate pH is excellent

Feedwater hardness is zero, which indicates good softeners

ACTION REQUIRED:

Increase B-266 to bring up SO<sub>2</sub> level

Maintain same program

You need to order a bbl of D-157

*John Gray*  
*John Gray*